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Title: Superhigh-capacitance capacitor with composite carbon nanotube and its manufacture

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International class (IPC 8): H01G13/00 H01G9/00 H01G9/042 (Advanced/Invention);
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Abstract:

Source: CN1388540A The present invention is the way of compounding carbon nanotube, transition metal oxide and/or conducting polymer. The carbon nanotube has high conductivity and can form netted structure in compositeelectrode to become well conducting charge passage; and the transition metal oxide and conducting polymer can form false capacitor with high specific capacitance, so that the superhigh capacitance capacitor has both high specific capacitance and high conductivity. At the same time, the carbon nanotube in composite electrode has great specific surface area to result in great capacitance and may be used to form the base for transition metal oxide and conducting polymer with fine crystal particle. The composite of the said three material has good forming performance and high mechanical strength.